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⑦① Applicant: **CANON KABUSHIKI KAISHA**  
30-2, 3-chome, Shimomaruko  
Ohta-ku Tokyo(JP)

⑦② Inventor: Eguchi, Ken  
No. 201 Sanisu Atsugi 7-20, Sakae-cho  
1-chome  
Atsugi-shi Kanagawa-ken(JP)  
Inventor: Sakai, Kunihiro  
1531-7, Shimotsuruma  
Yamato-shi Kanagawa-ken(JP)  
Inventor: Kawada, Haruki  
D-201 Sukaitaun 3-8, Sakae-cho 2-chome  
Atsugi-shi Kanagawa-ken(JP)  
Inventor: Matsuda, Hiroshi  
No. 201 Puchihausu 141-7, Sachigaoka  
Asahi-ku Yokohama-shi Kanagawa-ken(JP)  
Inventor: Morikawa, Yuko  
231-7, Kamihirama Nakahara-ku  
Kawasaki-shi Kanagawa-ken(JP)  
Inventor: Nakagiri, Takeshi  
18-2, Sendagi 3-chome Bunkyo-ku  
Tokyo(JP)  
Inventor: Hamamoto, Takeshi  
4-1104, Wakabadai 1-chome Asahi-ku  
Yokohama-shi Kanagawa-ken(JP)  
Inventor: Kuribayashi, Masaki  
639-11, Higashi Naganuma  
Inagi-shi Tokyo(JP)

⑦④ Representative: **Beresford, Keith Denis Lewis**  
et al  
**BERESFORD & Co.** 2-5 Warwick Court High  
Holborn  
London WC1R 5DJ(GB)

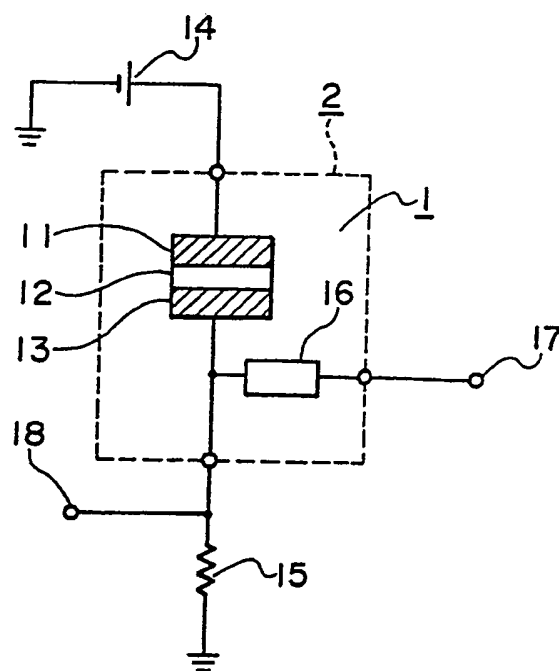
**EP 0 268 370 A3**

⑤⑥ Switching device.

⑤⑦ A switching device is characterized by having a periodical layer structure of an organic insulator between a pair of electrodes and having memorizability with respect to switching characteristics. The layer

structure is formed of an amphiphilic compound according to the LB method.

FIG.1





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# EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
X	APPLIED PHYSICS LETTERS vol. 31, no. 9, 1st November 1977, pages 553-555, New York, U.S.A.; CHUN CHIANG: "A model of switching and negative resistance phenomenon in organic thin film with dipoles". * figures 1,2; page 553 *	1,45,46	H 01 L 29/28 H 01 L 45/00
Y	idem	2-4,27, 30,31, 35,37, 38,40- 43,47, 48	
X	ELECTRONIC LETTERS vol. 21, no. 10, May 1985, pages 439-441, Stevenage, Herts, Great Britain; W. FULOP et al.: "Dielectric switching with memory in thin films of stearic acid." * whole document *	1,3,45, 46,53	
Y	idem	49-52, 54-58	TECHNICAL FIELDS SEARCHED (Int. Cl.4) H 01 L 29/28 H 01 L 45/00 B 05 D 1/12 G 11 C 11/22 G 11 C 19/30 H 01 B 1/12
Y	EP-A-0 077 135 (QMC INDUSTRIAL RESEARCH LTD.) * abstract; figure 1; page 19, lines 22-25 *	2-4,34, 41,42, 47,48	
Y	THIN SOLID FILMS vol. 134, no. 1-3, 20th December 1985, pages 89-99, Lausanne, Switzerland; B. BELBEOCH et al.: "Evidence of chain interdigitation in langmuirblodgett films." * pages 89,90; figure 1 * -/-	2,3,41, 43,54, 55,58	
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 20-02-1989	Examiner JUHL A.
<b>CATEGORY OF CITED DOCUMENTS</b> X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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DOCUMENTS CONSIDERED TO BE RELEVANT			
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Y	FR-A-2 134 508 (ENERGY CONVERSION DEVICES) * figures 1-6 * ---	49-52, 56,57	
P,X	EP-A-0 232 829 (KANEKAFUCHI KAGAKU KOGYO KABUSHIKI KAISHA) * abstract; page 54, paragraph 3; claims * ---	1-3,41, 42	
Y	DE-A-3 242 712 (BAYER) * abstract * ---	27	
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Y	JAPANESE JOURNAL OF APPLIED PHYSICS SUPPLEMENTS 15th Conference, 1983, pages 181-184, Tokyo, Japan; M. SUGI: "Organic Monomolecular Films and Their Applications." * abstract; page 183, column 2, paragraph 3 * ---	31	
Y	THIN SOLID FILMS vol. 133, nos. 1-4, November 1985, pages 1-10, Lausanne, Switzerland; H. NAKAHARA et al.: "Langmuir-Blodgett films of ferrocene derivatives with long alkyl chains." * page 2, paragraph 2 * --- -/-	37,38	TECHNICAL FIELDS SEARCHED (Int. Cl.4)
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Y	EP-A-0 067 691 (MATSUSHITA ELECTRIC INDUSTRIAL CO.) * page 3, lines 4-23 * -----	40	
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